

Message

From: Brown, Griffith [Brown.Griffith@epa.gov]
Sent: 10/27/2022 3:30:43 PM
To: Boss, Aimee [Boss.Aimee@epa.gov]
CC: Brown, Bailey [brown.bailey@epa.gov]
Subject: RE: 2022 Flyover QA/QC

Hi Aimee,

Thanks for getting this done and I will upload your info now. I messaged Bailey and she told me that you were already connected on the Apache sites, so go ahead with the QC on those Apache sites. I will contact Bridget and see where she is at.

From: Boss, Aimee <Boss.Aimee@epa.gov>
Sent: Wednesday, October 26, 2022 6:12 PM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: 2022 Flyover QA/QC

Hi Griff,

Attached is the spreadsheet with my initial QA/QC for the 2022 flyovers. Please let me know if you have any concerns. If you have any Apache facilities going through the second round of QA/QC I would prefer to review those, in addition to what else needs to be distributed. I have not put the videos into their respective folders yet. I plan on tackling that task tomorrow and Friday.

Something worth noting, on EPA facility #136 – It does appear the owner has changed to WPX.

Let me know if you have any questions.

Thanks,

Aimee Boss
Air Permitting Enforcement Section (ECDAP)
Enforcement and Compliance Assurance Division
U.S. EPA Region 6
Office: (214) 665-7397

Message

From: Salabogi, Jamie [Salabogi.Jamie@epa.gov]
Sent: 10/19/2022 7:41:03 PM
To: Roland, Alexandra [Roland.Alexandrea@epa.gov]; Boss, Aimee [Boss.Aimee@epa.gov]
Subject: RE: apache 2022 flyover facilities

I told her that we have not yet reviewed/verified the data, however raw initial data shows we flew over 13 facilities with 7 of them indicating emissions and that I would get with you Boss/Alex to provide more info.

Jamie Salabogi

U.S. EPA Region 6
Enforcement and Compliance Assurance Division
Air Permitting Enforcement Section
214-665-7533

From: Roland, Alexandra <Roland.Alexandrea@epa.gov>
Sent: Wednesday, October 19, 2022 2:26 PM
To: Salabogi, Jamie <Salabogi.Jamie@epa.gov>; Boss, Aimee <Boss.Aimee@epa.gov>
Subject: RE: apache 2022 flyover facilities

I'm working on it but I need Darrin's approval first. Don't say anything about the details of the sites and violations.

Sincerely,

Alex Roland

Attorney, ORC Air Enforcement Branch
U.S. EPA | Office of Regional Counsel Region 6
(214) 665-2753 (ORCEA)
Roland.Alexandrea@epa.gov

From: Salabogi, Jamie <Salabogi.Jamie@epa.gov>
Sent: Wednesday, October 19, 2022 2:23 PM
To: Roland, Alexandra <Roland.Alexandrea@epa.gov>; Boss, Aimee <Boss.Aimee@epa.gov>
Subject: apache 2022 flyover facilities

Hey Alex and Boss,

I'm on the mewbourne/matador call. Nicole is asking for the 2022 Flyover info for Apache. I told her verbally what we have at this time without having done a review. I think you all may be working on sending her something written on this?

EPA	Facility	Company	Facility (DO NOT CHANGE THIS NAME PLEASE)	Confirmed company name	Confirmed facility name	Latitude	Longitude	County	State	Facility with Le
261		Apache Corporation	Barrrow "23"			31.798265	-102.090771	Loving	Texas	X
372		APACHE CORPORATION	OSPREY STATE UNIT P202HR			31.75511	-103.619	Loving	Texas	
373		APACHE CORPORATION	PALMILLO 14 STATE 001H			32.65927	-104.155	Eddy	New Mex	X
374		APACHE CORPORATION	BLACK & TAN 27 FEDERAL COM 403R			32.538044	-103.546217	Lea	New Mexico	
375		APACHE CORPORATION	MOCKINGBIRD STATE UNIT 9 S201H			31.748566	-103.614064	Loving	Texas	
376		APACHE CORPORATION	SEAGULLPELICAN CENTRAL TANK 8A			31.7278	-103.632	Loving	Texas	X
377		APACHE CORPORATION	CONDOR CTB			31.74167	-103.634	Loving	Texas	
378		APACHE CORPORATION	CHAPARRAL 89 P101H			31.733421	-103.659	Loving	Texas	X
379		APACHE CORPORATION	CARDINAL 4 P 1H			31.758255	-103.604	Loving	Texas	X
380		APACHE CORPORATION	Falcon State Unit			31.753247	-103.642	Loving	Texas	X
381		APACHE CORPORATION	Falcon State Unit 2			31.75371	-103.635	Loving	Texas	
382		APACHE CORPORATION	NAVAJO 401AH	APACHE CORPORATION	Navajo Central Tank Battery	31.233721	-103.724	Reeves	Texas	X
383		APACHE CORPORATION	MOHICAN UNIT 102AH			31.211133	-103.926	Reeves	Texas	

Message

From: Lad, Uma [Lad.Uma@epa.gov]
Sent: 10/18/2022 9:00:57 PM
To: Brown, Griffith [Brown.Griffith@epa.gov]
CC: Boss, Aimee [Boss.Aimee@epa.gov]
Subject: Apache Sites
Attachments: 2022 IR Flyover_Master Facility List_Final Report.xlsx

Hi Griff,

The Apache sites have been filtered out onto a separate sheet in the attachment. I included RN/AIRS # if available. Permit applications are on Sharepoint.

Apache Permits:  [Permits](#)

Thank you,
Uma Lad
Air Permitting Enforcement Section (ECDAP)
Enforcement and Compliance Assurance Division
U.S. EPA Region 6
Office: (214) 665-8563

Message

From: Lad, Uma [Lad.Uma@epa.gov]
Sent: 8/15/2022 7:50:31 PM
To: Boss, Aimee [Boss.Aimee@epa.gov]

Did Earthstone purchase Callon or Chisholm? Trying to update a spreadsheet for Darrin on our 2022 flyover planning

Message

From: Boss, Aimee [Boss.Aimee@epa.gov]
Sent: 10/3/2022 3:31:24 PM
To: Lee, Jamie [Lee.Jamie@epa.gov]

I'll get with Griff - They are having a meeting about the 2022 flyover right now actually

Message

From: Salabogi, Jamie [Salabogi.Jamie@epa.gov]
Sent: 10/3/2022 4:20:52 PM
To: Boss, Aimee [Boss.Aimee@epa.gov]

feel free to call me when you can and I can go over the 2022 flyover stuff

Message

From: Boss, Aimee [Boss.Aimee@epa.gov]
Sent: 10/3/2022 6:25:33 PM
To: Brown, Griffith [Brown.Griffith@epa.gov]

Yeah - no worries! The Apache team was asking. I've only told them we have flown over Apache facilities in our 2022 flyover but they are still under review in the region

Message

From: Salabogi, Jamie [Salabogi.Jamie@epa.gov]
Sent: 10/4/2022 4:58:56 PM
To: Lad, Uma [Lad.Uma@epa.gov]; Brown, Bailey [brown.bailey@epa.gov]; Boss, Aimee [Boss.Aimee@epa.gov]; Weir, Bridget [weir.bridget@epa.gov]; Nfodzo, Prince [Nfodzo.Prince@epa.gov]; Brown, Griffith [Brown.Griffith@epa.gov]

for 2022 flyover sites with no leaks detected, is there anything to do with those that would be helpful?

Message

From: Brown, Griffith [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A162BE93E0B74FB49360BBB75A7A0E7C-BROWN, GRIF]
Sent: 9/23/2022 2:19:22 PM
To: Larson, Darrin [Larson.Darrin@epa.gov]
Subject: YouTube Entry Draft RE: Helicopter Video
Attachments: 2022 Flyover_YouTube_Entry_Description.docx

Hi Darrin,
See attached YouTube description draft for you to review.
Griff

From: Larson, Darrin <Larson.Darrin@epa.gov>
Sent: Thursday, September 22, 2022 9:49 AM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Subject: FW: Helicopter Video

Here's the attachment from the last email.

Darrin Larson
Chief, Air Permitting Enforcement Section (ECDAP)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Havlik, Carl <havlik.carl@epa.gov>
Sent: Thursday, September 22, 2022 9:45 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>
Cc: Fitch, Bruce <Fitch.Bruce@epa.gov>
Subject: Helicopter Video

Hey Darrin,

I will need the following three things:

1. The video
2. Transcript (only needed if there is audio of someone speaking)
3. YouTube Description Form (attached; English only).

I will then create a link on YouTube and send that link to Bruce Fitch. You will need to decide on which site page you want the link posted to and get with Bruce so he knows where to put it.

Thanks,

Carl Havlik
Public Affairs Specialist
Region 6 Videographer
U.S. Environmental Protection Agency, Region 6
(214) 665-2131
havlik.carl@epa.gov

[REQUEST VIDEO SERVICES](#)

3. **Environmental Protection Agency:**

a. Griffith Brown, Task Order Contracting Officer's Representative (TOCOR)

Name

Signature and Date

b. EPA Region 9 Quality Assurance Manager

Name

Signature and Date

Message

From: Thompson, Steve [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DEB5F1524AE94DC69ED0F4B2D6CA446A-THOMPSON, STEVE]
Sent: 6/8/2022 9:07:06 PM
To: Barnett, Cheryl [barnett.cheryl@epa.gov]
Subject: FW: 2022 IR Flyover Project - kickoff call?
Attachments: science_committee_majority_staff_report_seeing_ch4_clearly.pdf

From: Bradley Martin <BMartin@toeroek.com>
Sent: Wednesday, June 8, 2022 1:36 PM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Kevin Geraci <kgeraci@toeroek.com>; Thompson, Steve <thompson.steve@epa.gov>; Furry, David <david.furry@championx.com>
Subject: RE: 2022 IR Flyover Project - kickoff call?

Hi Griff – Just checking on the grids. Also, passing on an article we thought you might be interested in (I've also attached the report they reference in the article) <https://wapo.st/3tkSynt>

I've cc'd David Furry, as he might find the article and report interesting, too!

Thanks, Brad

Bradley K. Martin, P.E.
Toeroek Associates, Inc.
Chicago, Illinois
C: 630-697-5407
bmartin@toeroek.com

From: Brown, Griffith <Brown.Griffith@epa.gov>
Sent: Wednesday, May 25, 2022 12:28 AM
To: Bradley Martin <BMartin@toeroek.com>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Kevin Geraci <kgeraci@toeroek.com>; Thompson, Steve <thompson.steve@epa.gov>
Subject: RE: 2022 IR Flyover Project - kickoff call?

[Notice: External Email]

Hi Brad,
We are still finalizing grids/locations and anticipate on having them to you soon. I will send you an update next week.
Thanks,
Griff

From: Bradley Martin <BMartin@toeroek.com>
Sent: Tuesday, May 24, 2022 11:11 AM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Kevin Geraci <kgeraci@toeroek.com>
Subject: RE: 2022 IR Flyover Project - kickoff call?

Great, thanks!

Bradley K. Martin, P.E.
Toeroek Associates, Inc.
Chicago, Illinois
C: 630-697-5407
bmartin@toeroek.com

From: Brown, Griffith [<mailto:Brown.Griffith@epa.gov>]
Sent: Tuesday, May 24, 2022 12:10 PM
To: Bradley Martin <BMartin@toeroek.com>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Kevin Geraci <kgeraci@toeroek.com>
Subject: RE: 2022 IR Flyover Project - kickoff call?

[Notice: External Email]

Hi Brad,
We are meeting internally today to finalize grid locations today. I will keep you give you an update later today.
Griff

From: Bradley Martin <BMartin@toeroek.com>
Sent: Tuesday, May 24, 2022 11:09 AM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Kevin Geraci <kgeraci@toeroek.com>
Subject: RE: 2022 IR Flyover Project - kickoff call?

Hi Griff – Thought I would check in on the grids.

Thanks, Brad

Bradley K. Martin, P.E.
Toeroek Associates, Inc.
Chicago, Illinois
C: 630-697-5407
bmartin@toeroek.com

From: Brown, Griffith [<mailto:Brown.Griffith@epa.gov>]
Sent: Wednesday, March 23, 2022 3:00 PM
To: Bradley Martin <BMartin@toeroek.com>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: RE: 2022 IR Flyover Project - kickoff call?

[Notice: External Email]

Brad,
That works for us. I will keep you updated on the grids.
Thanks,
Griff

From: Bradley Martin <BMartin@toeroek.com>
Sent: Wednesday, March 23, 2022 8:12 AM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: RE: 2022 IR Flyover Project - kickoff call?

Hi Griff – I checked with David Furry, he said they usually have their summer vacation shut down the week of July 4th and return on the 11th. If they can start on the 11th, they will just make sure that the 100-hour inspection is done in a week, or they will switch helicopters. This would keep the rest of the schedule on track. Does that sound OK?

Thanks, Brad

Bradley K. Martin, P.E.
Toeroek Associates, Inc.
Chicago, Illinois
O: 312-212-0934
C: 630-697-5407
bmartin@toeroek.com

From: Brown, Griffith [<mailto:Brown.Griffith@epa.gov>]
Sent: Tuesday, March 22, 2022 12:41 PM
To: Bradley Martin <BMartin@toeroek.com>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: RE: 2022 IR Flyover Project - kickoff call?

[Notice: External Email]

Hi Brad,

I have detailed below an approximate work schedule for the 2022 flyovers. To give LSI a buffer for weather and maintenance, I estimated the flyovers to start the week of **July 5th**. We are currently working on the flyover grids and will get them to you ASAP.

Task	Projected start date	Projected end date	Days needed	Notes
Send Toeroek flyover grids	Pending	Pending	Pending	EPA to provide grids for Toeroek to create QAPP, HASP, and flight route. Preferred route: TX (Permian), NM (Permian), NM (SJB)
Projected Terek/LSI flyover flyover period 1	Tuesday, July 5, 2022	Tuesday, July 19, 2022	14	100 flight hours before maintenance. 100 hours/7 flight hours/day = ~14 days
Helicopter maintenance	Tuesday, July 19, 2022	Tuesday, August 2, 2022	14	2 week maintenance needed for helicopter
Projected Toeroek/LSI flyover flyover period 2	Tuesday, August 2, 2022	Tuesday, August 9, 2022	7	52 hours remaining on contract. 52 hours/7 hours/day= ~7 days
Toeroek provide summary reports	Tuesday, August 9, 2022	Tuesday, August 30, 2022	21	Contract gives Toeroek 15 business days to complete reports

EPA review and ask questions	Tuesday, August 30, 2022	Thursday, September 29, 2022	30	EPA to provide comments or questions
TO funding ends	Friday, September 30, 2022	--	--	--

Thanks,
Griff

From: Bradley Martin <BMartin@toeroek.com>
Sent: Thursday, March 17, 2022 3:16 PM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: RE: 2022 IR Flyover Project - kickoff call?

Hi Griff – Once they start flying they usually fly 7 days a week (weather dependent of course).

Thanks, Brad

Bradley K. Martin, P.E.
Toeroek Associates, Inc.
Chicago, Illinois
O: 312-212-0934
C: 630-697-5407
bmartin@toeroek.com

From: Brown, Griffith [<mailto:Brown.Griffith@epa.gov>]
Sent: Thursday, March 17, 2022 3:56 PM
To: Bradley Martin <BMartin@toeroek.com>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: RE: 2022 IR Flyover Project - kickoff call?

[Notice: External Email]

Hi Brad,
Quick question on LSI's flight schedule. Do they fly on Saturdays as well?
Thanks,
Griff

From: Bradley Martin <BMartin@toeroek.com>
Sent: Thursday, March 3, 2022 12:37 PM
To: Brown, Griffith <Brown.Griffith@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Leathers, James <Leathers.James@epa.gov>; Frey, Sarah <frey.sarah@epa.gov>
Subject: Re: 2022 IR Flyover Project - kickoff call?

Hi Griff - How about 3/16, 9:30am. Let me know if you'd like us to invite our subcontractor, LSI.

Thanks, Brad

On Mar 3, 2022, at 10:22 AM, Brown, Griffith <Brown.Griffith@epa.gov> wrote:

[Notice: External Email]

Brad,

Here are a couple 30 minute time slots (all in CT) for the 3/14 week that work for us. I also included the following week, in case you have a conflict:

- 3/14 (Monday) 1:00 pm to 1:30 pm; 1:30 pm to 2:00 pm
- 3/16 (Wednesday) 9:30 am to 10:00 am; 1:30 pm to 2:00 pm
- 3/21 (Monday) 11:00 am to 11:30 am; 1:00 pm to 1:30 pm; 1:30 to 2:00 pm; 3:00 pm to 3:30 pm
- 3/23 (Wednesday) 9:30 am to 10:00 am, 3:30 pm to 4:00 pm

Let me know what works for you.

Thanks,

Griff

From: Bradley Martin <BMartin@toeroek.com>

Sent: Thursday, March 3, 2022 7:51 AM

To: Brown, Griffith <Brown.Griffith@epa.gov>

Cc: LaBombard, Will <LaBombard.Will@epa.gov>; Larson, Darrin <Larson.Darrin@epa.gov>

Subject: RE: 2022 IR Flyover Project - kickoff call?

Thanks, I'm out the 17th and 18th, the other days look good.

Thanks, Brad

Bradley K. Martin, P.E.

Toeroek Associates, Inc.

Chicago, Illinois

O: 312-212-0934

C: 630-697-5407

bmartin@toeroek.com

From: Brown, Griffith [<mailto:Brown.Griffith@epa.gov>]

Sent: Thursday, March 3, 2022 8:20 AM

To: Bradley Martin <BMartin@toeroek.com>

Cc: LaBombard, Will <LaBombard.Will@epa.gov>; Larson, Darrin <Larson.Darrin@epa.gov>

Subject: RE: 2022 IR Flyover Project - kickoff call?

[Notice: External Email]

Hi Brad,

Thank you for reaching out. What is your availability between March 14th to 18th for a kickoff call?

Thanks,

Griff

Griffith Brown
Environmental Engineer
Air Permitting Enforcement Section
Enforcement & Compliance Assurance Division
U.S. EPA Region 6
1201 Elm St., Ste 500
Dallas, TX 75270
214-665-8186

From: Bradley Martin <BMartin@toeroek.com>

Sent: Tuesday, March 1, 2022 9:12 AM

To: Brown, Griffith <Brown.Griffith@epa.gov>; LaBombard, Will <LaBombard.Will@epa.gov>

Subject: 2022 IR Flyover Project - kickoff call?

Hi Will/Griffith – Looking forward to working with you on this task order (TO). I'm reaching out to see if you'd like to set-up a kickoff call. No pressure, whenever you'd like to do it.

Thanks, Brad

Bradley K. Martin, P.E.
Toeroek Associates, Inc.
Chicago, Illinois
O: 312-212-0934
C: 630-697-5407
bmartin@toeroek.com